

FIGURE 1

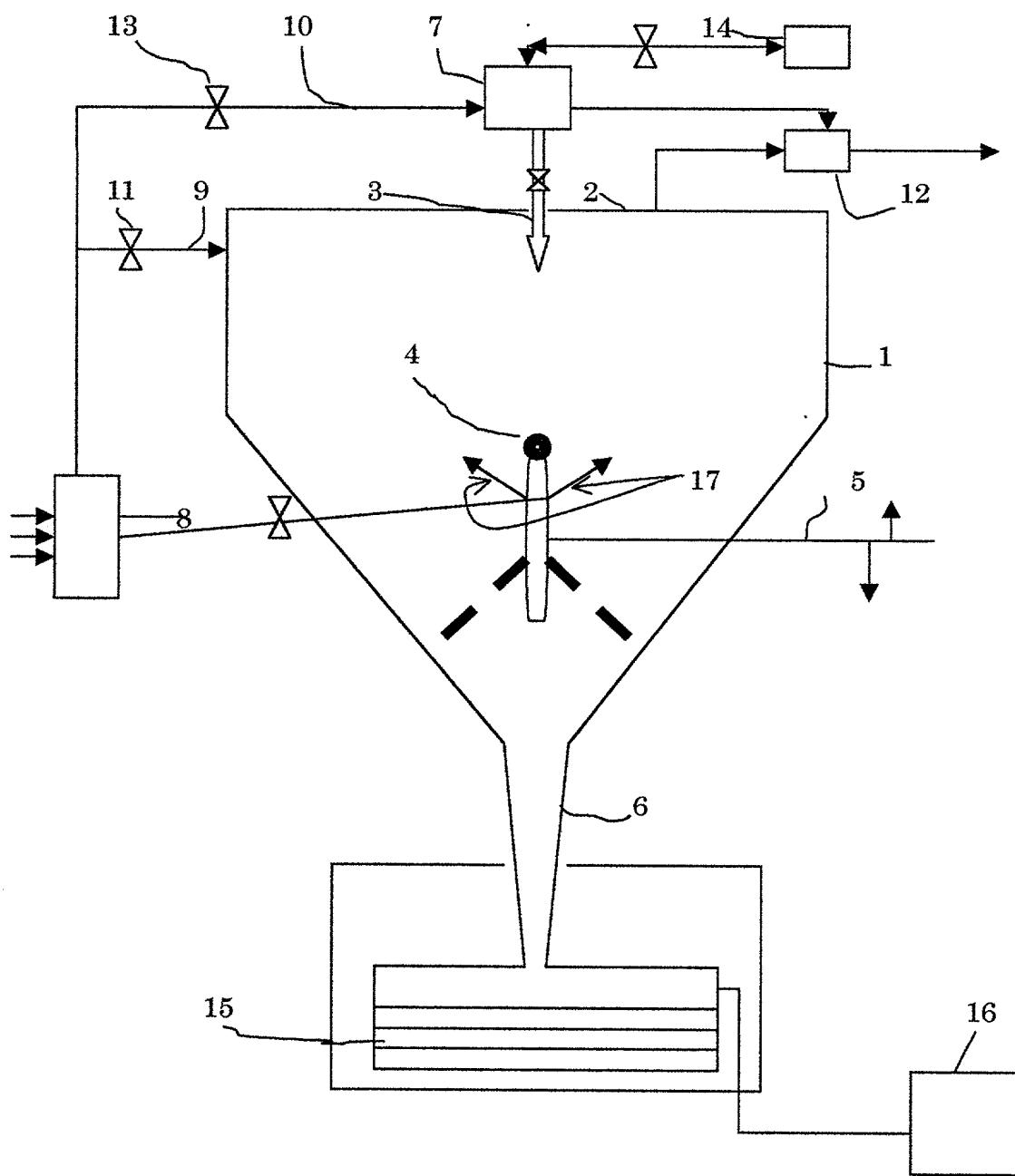
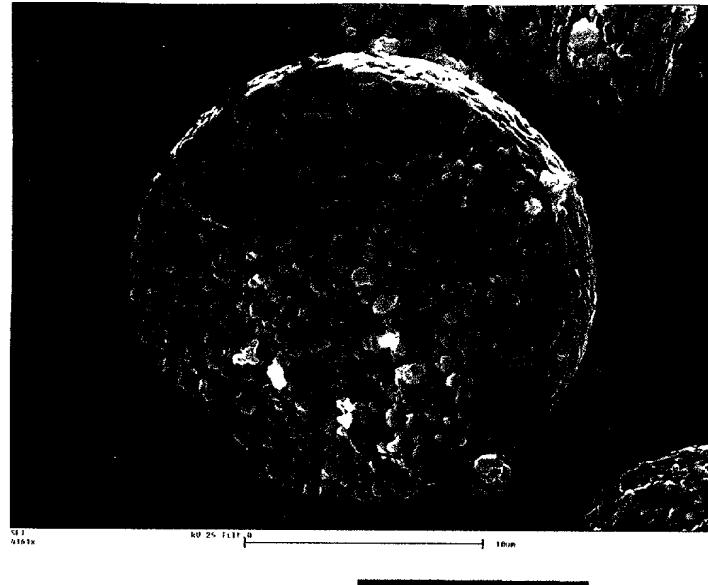


FIGURE 2 A

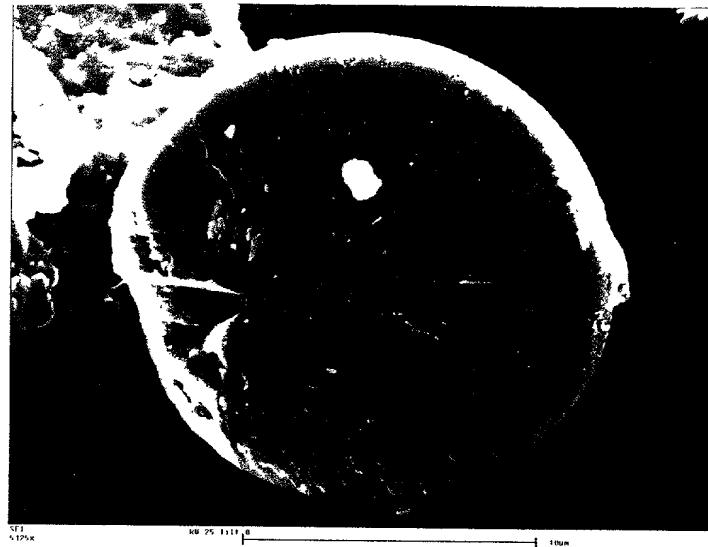
A:crystal(R-Fe-B-ROx)·section



25.0kv X4161 10 μ m

FIGURE 2 B

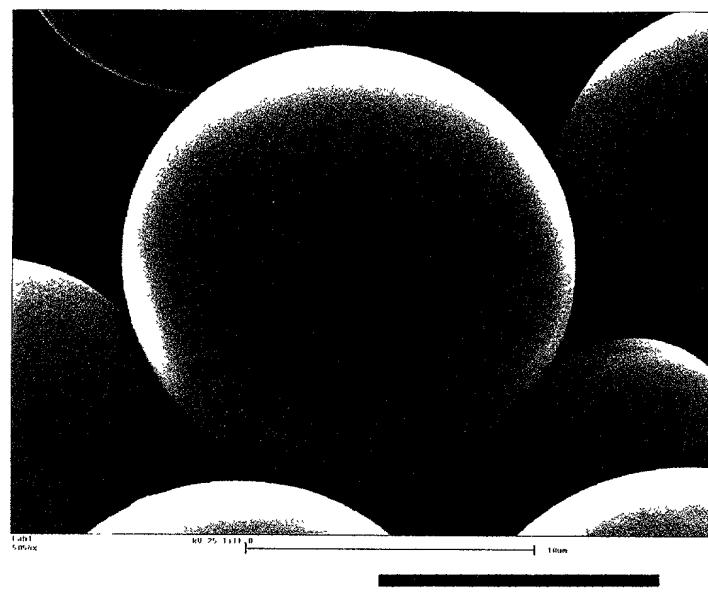
D:nomal(R-Fe-B-ROx)·section



25.0kv X5125 10 μ m

FIGURE 3 A

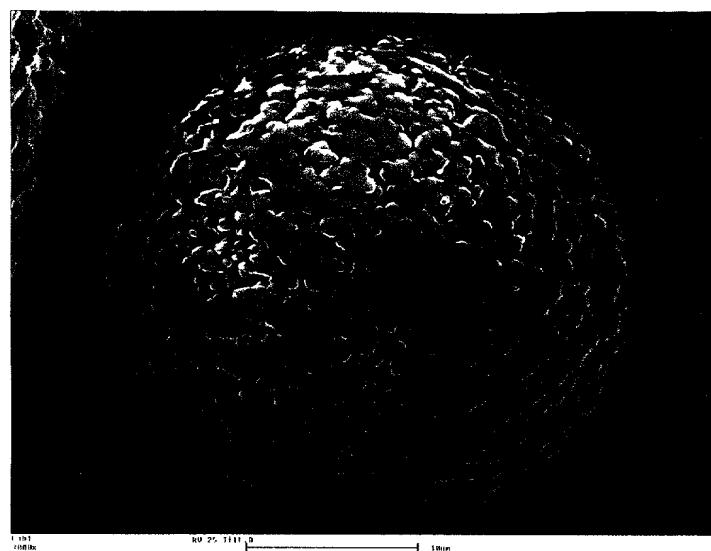
B: Amorphous (Ag)



25.0kv X5054 10 μ m

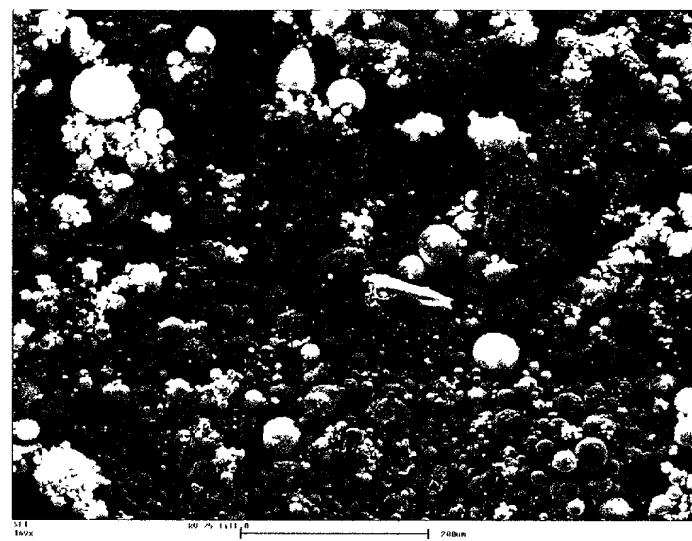
FIGURE 3 B

C: Porous (NI-Al)



25.0kv X3000 10 μ m

FIGURE 4



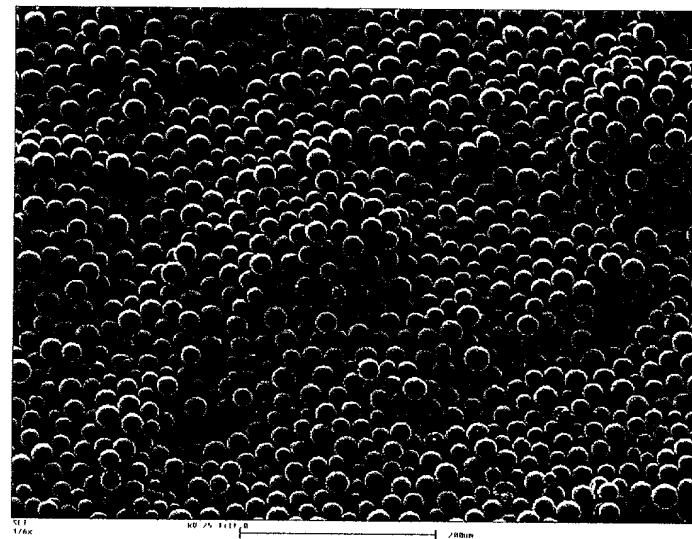
25.0kv X169 200 μ m

FIGURE 5



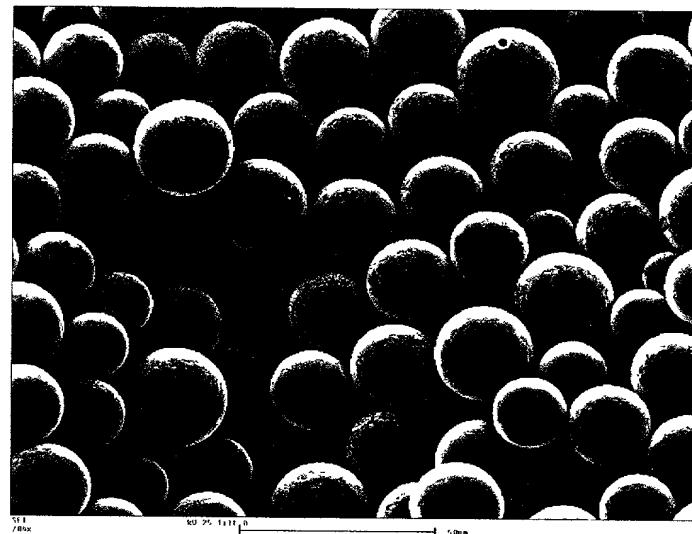
25.0kv X677 50 μ m

FIGURE 6



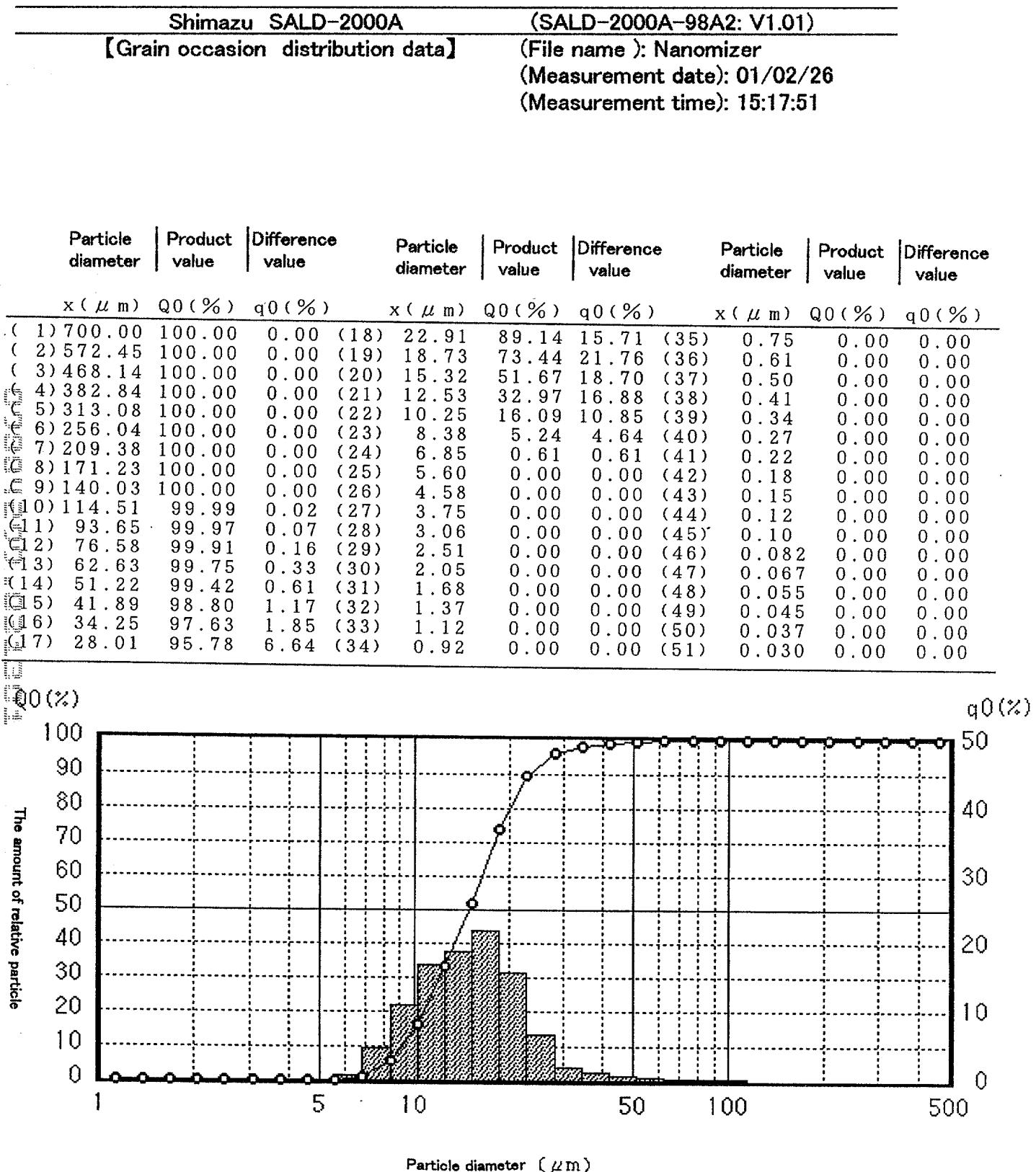
25.0kv X176 200 μ m

FIGURE 7



25.0kv X704 50 μ m

FIGURE 8

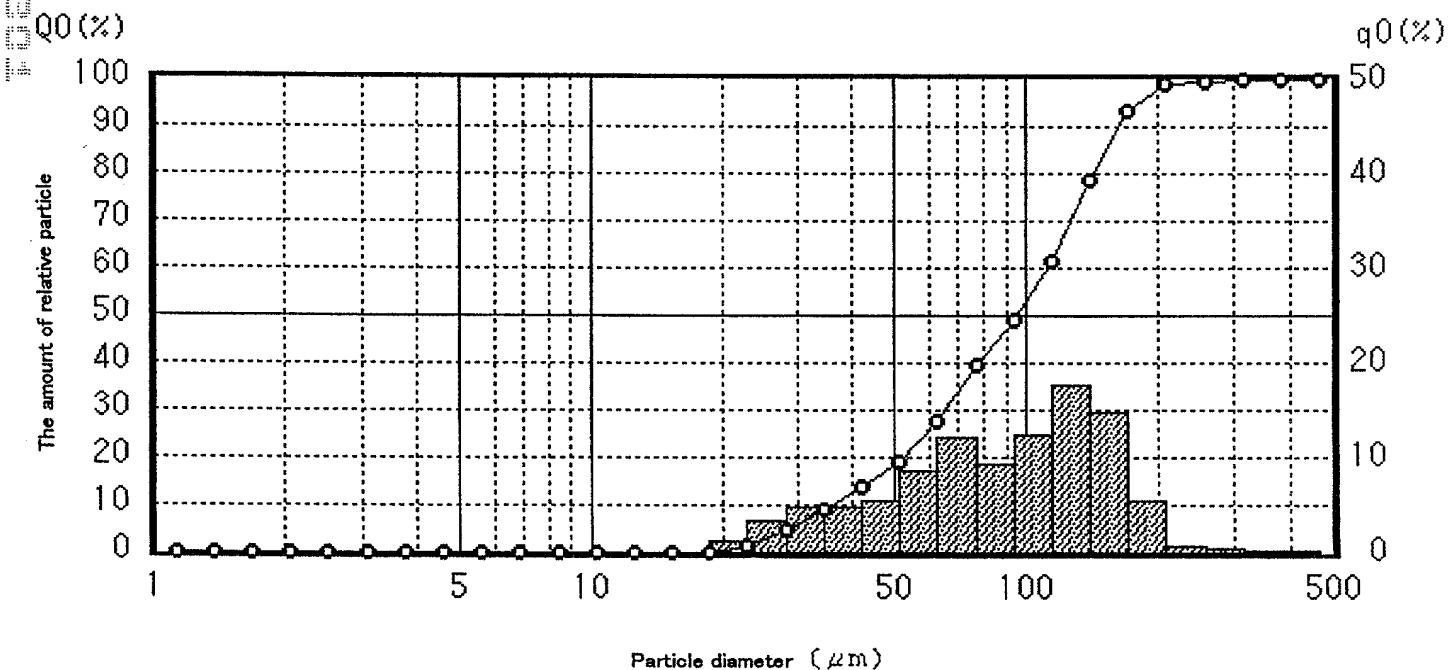


S Level: 0 Distribution function: Nothing D sift:0	75.0%D: 19.099 50.0%D: 15.021 25.0%D: 11.371
	The mode diameter 17.783
Refractive index = 170-0.201	Mean: 15.005 Standard deviation: 00.165

FIGURE 9

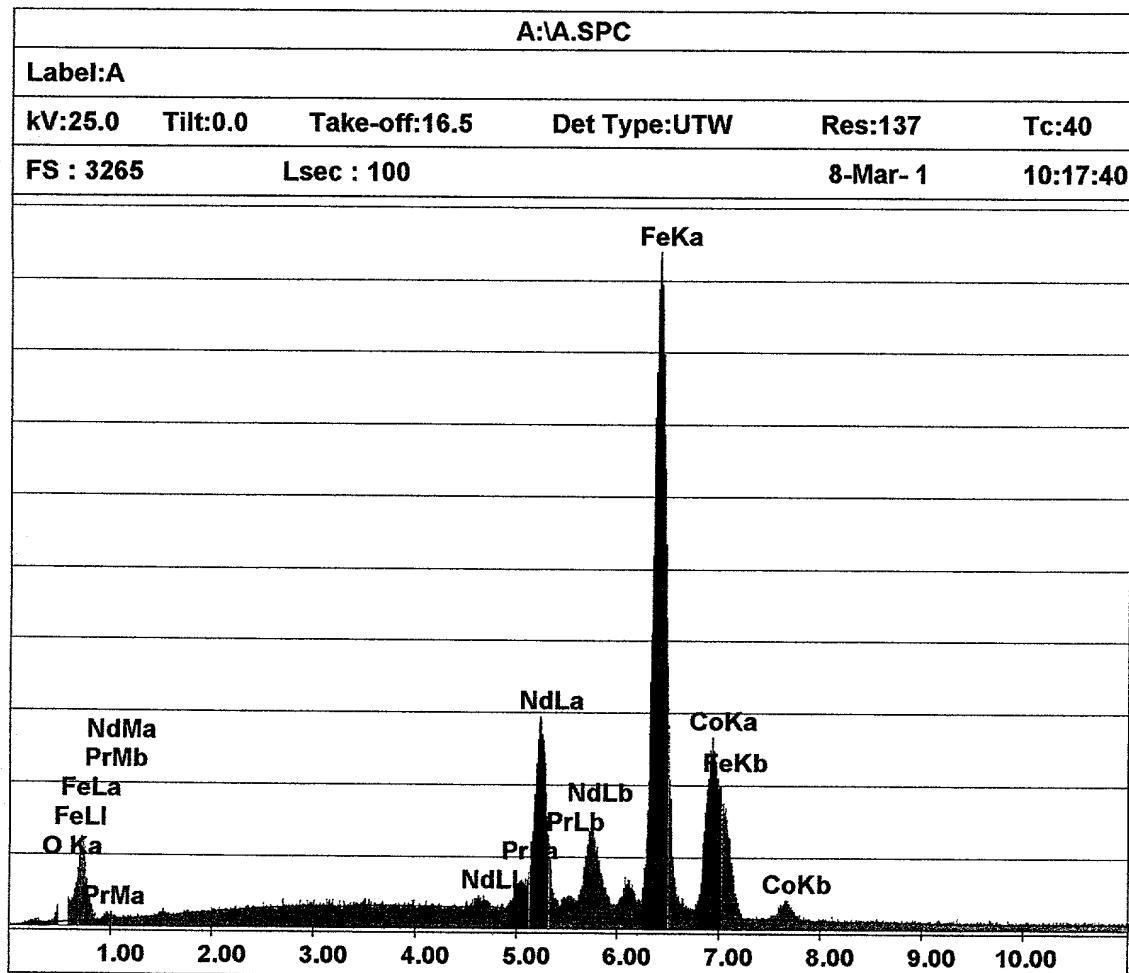
Shimazu SALD-2000A	(SALD-2000A-98A2:V1.01)
【Grain occaasion distribution data】	(File name) : Atomization
(Sample ID)	(Measurement date) : 01/02/20
	(Measurement time) : 11:07:41

Particle diameter	Product value	Difference value	Particle diameter	Product value	Difference value	Particle diameter	Product value	Difference value
x (μ m)	Q0 (%)	q0 (%)	x (μ m)	Q0 (%)	q0 (%)	x (μ m)	Q0 (%)	q0 (%)
(1) 700.00	100.00	0.01	(18) 22.91	1.03	1.03	(35) 0.75	0.00	0.00
(2) 572.45	99.99	0.03	(19) 18.73	0.00	0.00	(36) 0.61	0.00	0.00
(3) 468.14	99.96	0.10	(20) 15.32	0.00	0.00	(37) 0.50	0.00	0.00
(4) 382.84	99.86	0.21	(21) 12.53	0.00	0.00	(38) 0.41	0.00	0.00
(5) 313.08	99.66	0.38	(22) 10.25	0.00	0.00	(39) 0.34	0.00	0.00
(6) 256.04	99.28	0.69	(23) 8.38	0.00	0.00	(40) 0.27	0.00	0.00
(7) 209.38	98.59	5.39	(24) 6.85	0.00	0.00	(41) 0.22	0.00	0.00
(8) 171.23	93.20	14.66	(25) 5.60	0.00	0.00	(42) 0.18	0.00	0.00
(9) 140.03	78.54	17.55	(26) 4.58	0.00	0.00	(43) 0.15	0.00	0.00
(10) 114.51	60.99	12.37	(27) 3.75	0.00	0.00	(44) 0.12	0.00	0.00
(11) 93.65	48.62	9.15	(28) 3.06	0.00	0.00	(45) 0.10	0.00	0.00
(12) 76.58	39.47	12.09	(29) 2.51	0.00	0.00	(46) 0.082	0.00	0.00
(13) 62.63	27.38	8.40	(30) 2.05	0.00	0.00	(47) 0.067	0.00	0.00
(14) 51.22	18.97	5.34	(31) 1.68	0.00	0.00	(48) 0.055	0.00	0.00
(15) 41.89	13.63	4.71	(32) 1.37	0.00	0.00	(49) 0.045	0.00	0.00
(16) 34.25	8.92	4.61	(33) 1.12	0.00	0.00	(50) 0.037	0.00	0.00
(17) 28.01	4.31	3.29	(34) 0.92	0.00	0.00	(51) 0.030	0.00	0.00



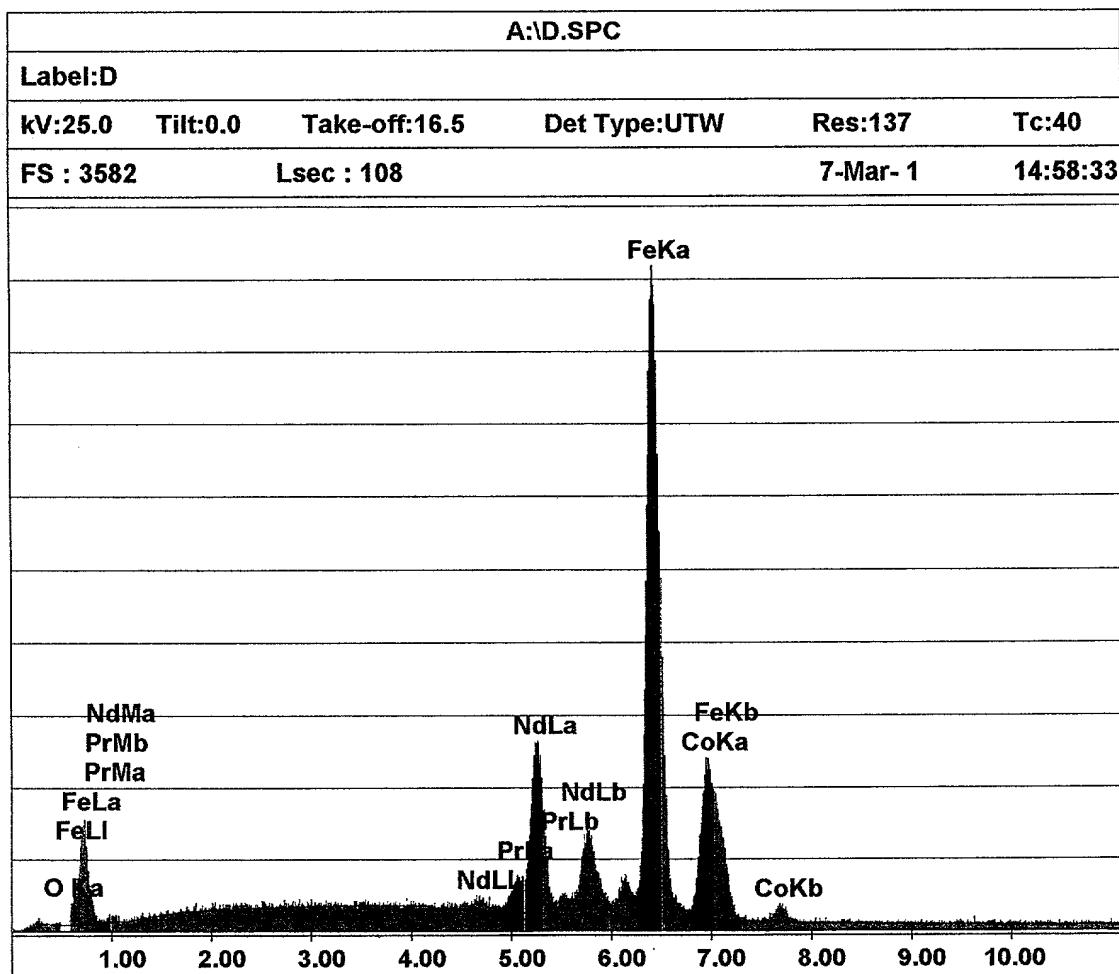
S Level: 0 Distribution function: Nothing D sift:0	75.0%D: 135.25 50.0%D: 95.973 25.0%D: 58.862
	The mode diameter 141.254
Refractive index = 170-0.201	Mean: 85.858 Standard deviation: 00.116

FIGURE 10



EDAX ZAF Quantification (Standardless) Element Normalized						
Element	Wt %	At %	K-Ratio	Z	A	F
O K	15.84	45.06	0.0581	1.1547	0.3174	1.0019
PrL	3.66	1.18	0.0391	0.8757	1.1579	1.0542
NdL	22.64	7.15	0.2437	0.8690	1.1656	1.0624
FeK	44.65	36.40	0.3964	1.0030	0.8853	1.0000
CoK	13.22	10.21	0.1131	0.9852	0.8687	1.0000
Total	100.00	100.00				

FIGURE 11



**EDAX ZAF Quantification (Standardless)
Element Normalized**

Element	Wt %	At %	K-Ratio	Z	A	F
O K	3.79	14.70	0.0131	1.1865	0.2895	1.0026
PrL	4.88	2.15	0.0525	0.9014	1.1312	1.0559
NdL	25.71	11.06	0.2794	0.8946	1.1412	1.0646
FeK	52.17	57.94	0.4640	1.0331	0.8609	1.0000
CoK	13.45	14.15	0.1149	1.0152	0.8421	1.0000
Total	100.00	100.00				